

SEQUENCE LISTING

<110> Pfizer Inc.

Castleberry, Tessa

Lu, Bihong

Owen, Thomas

Smock, Steven

<120> The Canine Androgen Receptor

<130> PC10893AGPR

<160> 2

<170> PatentIn version 3.0

<210> 1

<211> 3577

<212> DNA

<213> Canine

<400> 1	
atggaggtac agttagggct agggagggtc taaccccggc cgccgtccaa gacctatcga	60
ggagcttttc agaacctgtt ccagagtgtg cgcaagtga tccagaaccc gggccccagg	120
cacctgagg ccgtgagcgc agcacctccc ggtgccatt tgcagcagca gcagcagcag	180
cagcagcagc aggagaccag tcctcggcag cagcagcagc aacagcaggg tgacgatggc	240
ttctcccaag cgcagagcag aggccccaca ggctacctgg ctctggatga ggaacagcag	300
ctctcccaac agcgggtcagc ctccaagggc catccggaga gtgcctgcgt tccagagcct	360
ggagtgaact cggccaccgg caaggggctg cagcagcagc agccagcacc accggaecag	420
aatgactcag ctgcccacac cacattgtca ctgctgggcc ccaactttccc gggcttaagt	480
agctgttcca ccgatcttaa agacatcctg agcagagctg gaaccatgca actccttcag	540


```

ttcagcatta ttccagtgga tgggctgaaa aatcaaaaat tctttgatga acttcgaatg 2460
aactacatca aggaacttga tcgtatcatt gcttgcaaga gaaaaaatcc cacatcctgc 2520
tcaaggcgct tctaccagct caccaagctc ctggactctg tgcaacctat tgctcgagag 2580
ctgcatcagt tcacttttga cctgctaata aagtoaccaca tggtgagcgt ggactttcca 2640
gaaatgatgg cagaaatcat ctocgtgcaa gtgcccaaga ttctttctgg gaaagtcaa 2700
cccatctatt tccacacgca gtgaagcttt agaagccctc gtcttctcac caccaccacc 2760
accacccccg cccctactt tttaaaacct tgggtgttgt ttcattctgt tttagaacgt 2820
gcgatatttc cagtacctac ttttttctg aatccaaaga tatataaata taatatata 2880
tattttataa agatcaaat gatataaagg agatacgttt ctctctttaa aaaaaacaa 2940
atagaaatc attgttaast ttogtattat gatgccactt ttctaaatcg tgcatttgt 3000
atatgtgctg ccgaagtga cactaaatcg tgcatttga tggaaagggtg taaatatcaa 3060
tcaccaggac tgcttagtta attggtatct aatatctagg tgaattgggg gtatgggggtg 3120
ggggatgac aggacatact tggcttgccc tctcgaatg gactgccagt ttccatattg 3180
cctgtccagt tccaggaatt ttgttcacaa gtgtgggggc gtcattaggag taaagcctgt 3240
aggacagatg aaacccccgt ctccagagga gcaagagctc caaggccaac tgtttaacaa 3300
gcaagggtgt ttttttctt tctttcttct tctttccaat gtgtggaatt ttgatgatg 3360
aaatgtcatt ctgagagcaa tattttaaata tctcaggaat tgacttatag tattgagaat 3420
gaattcagtt gcaatcaagt ttacattaaa tgttgctttt aaaaaatctc agtcatactt 3480
cacactgcaa agaattccaga tcacatggga taacttatga gatggttgag tggtaagctc 3540
tgactgcttt gctgatcatt ttgtaataaa aggttttc 3577

```

<210> 2

<211> 907

<212> PRT

<213> Canine

<400> 2

Met Glu Val Gln Leu Gly Leu Gly Arg Val Tyr Pro Arg Pro Pro Ser
1 5 10 15

Lys Thr Tyr Arg Gly Ala Phe Gln Asn Leu Phe Gln Ser Val Arg Glu
20 25 30

Val Ile Gln Asn Pro Gly Pro Arg His Pro Glu Ala Val Ser Ala Ala

35

40

45

Pro Pro Gly Ala His Leu Gln Gln Gln Gln Gln Gln Gln Gln Gln
50 55 60

Glu Thr Ser Pro Arg Gln Gln Gln Gln Gln Gln Gly Asp Asp Gly
65 70 75 80

Ser Pro Gln Ala Gln Ser Arg Gly Pro Thr Gly Tyr Leu Ala Leu Asp
85 90 95

Glu Glu Gln Gln Pro Ser Gln Gln Arg Ser Ala Ser Lys Gly His Pro
100 105 110

Glu Ser Ala Cys Val Pro Glu Pro Gly Val Thr Ser Ala Thr Gly Lys
115 120 125

Gly Leu Gln Gln Gln Gln Pro Ala Pro Pro Asp Glu Asn Asp Ser Ala
130 135 140

Ala Pro Ser Thr Leu Ser Leu Leu Gly Pro Thr Phe Pro Gly Leu Ser
145 150 155 160

Ser Cys Ser Thr Asp Leu Lys Asp Ile Leu Ser Glu Ala Gly Thr Met
165 170 175

Gln Leu Leu Gln Gln Gln Arg Gln Gln Gln Gln Gln Gln Gln Gln
180 185 190

Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Glu Val Val Ser Glu Gly
195 200 205

Ser Ser Ser Gly Arg Ala Arg Glu Ala Ala Gly Ala Ser Thr Ser Ser
210 215 220

Lys Asp Ser Tyr Leu Gly Gly Ser Ser Thr Ile Ser Asp Ser Ala Lys
225 230 235 240

Glu Leu Cys Lys Ala Val Ser Val Ser Met Gly Leu Gly Val Glu Ala
245 250 255

Leu Glu His Leu Ser Pro Gly Glu Gln Leu Arg Gly Asp Cys Met Tyr
260 265 270

Ala Pro Leu Leu Gly Gly Pro Pro Ala Val Arg Pro Cys Ala Pro Leu
275 280 285

Ala Glu Cys Lys Gly Ser Leu Leu Asp Asp Gly Pro Gly Lys Gly Thr
290 295 300

Glu Glu Thr Ala Glu Tyr Ser Pro Phe Lys Ala Gly Tyr Ala Lys Gly
305 310 315 320

Leu Asp Gly Asp Ser Leu Gly Cys Ser Ser Ser Ser Glu Ala Gly Gly
325 330 335

Ser Gly Thr Leu Glu Met Pro Ser Thr Leu Ser Leu Tyr Lys Ser Gly
340 345 350

Ala Leu Asp Glu Ala Ala Ala Tyr Gln Ser Arg Asp Tyr Tyr Asn Phe
355 360 365

Leu	Ser	Ser	Leu	Asn	Glu	Leu	Gly	Glu	Arg	Gln	Leu	Val	His	Val	Val	690	695	700	
Lys	Trp	Ala	Lys	Ala	Leu	Pro	Gly	Phe	Arg	Asn	Leu	His	Val	Asp	Asp	705	710	715	720
Gln	Met	Ala	Val	Ile	Gln	Tyr	Ser	Trp	Met	Gly	Leu	Met	Val	Phe	Ala	725	730	735	
Met	Gly	Trp	Arg	Ser	Phe	Thr	Asn	Val	Asn	Ser	Arg	Met	Leu	Tyr	Phe	740	745	750	
Ala	Pro	Asp	Leu	Val	Phe	Asn	Glu	Tyr	Arg	Met	His	Lys	Ser	Arg	Met	755	760	765	
Tyr	Ser	Gln	Cys	Val	Arg	Met	Arg	His	Leu	Ser	Gln	Glu	Phe	Gly	Trp	770	775	780	
Leu	Gln	Ile	Thr	Pro	Gln	Glu	Phe	Leu	Cys	Met	Lys	Ala	Leu	Leu	Leu	785	790	795	800
Phe	Ser	Ile	Ile	Pro	Val	Asp	Gly	Leu	Lys	Asn	Gln	Lys	Phe	Phe	Asp	805	810	815	
Glu	Leu	Arg	Met	Asn	Tyr	Ile	Lys	Glu	Leu	Asp	Arg	Ile	Ile	Ala	Cys	820	825	830	
Lys	Arg	Lys	Asn	Pro	Thr	Ser	Cys	Ser	Arg	Arg	Phe	Tyr	Gln	Leu	Thr	835	840	845	
Lys	Leu	Leu	Asp	Ser	Val	Gln	Pro	Ile	Ala	Arg	Glu	Leu	His	Gln	Phe	850	855	860	
Thr	Phe	Asp	Leu	Leu	Ile	Lys	Ser	His	Met	Val	Ser	Val	Asp	Phe	Pro	865	870	875	880
Glu	Met	Met	Ala	Glu	Ile	Ile	Ser	Val	Gln	Val	Pro	Lys	Ile	Leu	Ser	885	890	895	
Gly	Lys	Val	Lys	Pro	Ile	Tyr	Phe	His	Thr	Gln						900	905		